

SCHOOL OF PRACTICAL SCIENCE,

PROVINCE OF ONTARIO.

CLASS LIST

1894.



TORONTO:

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SCHOOL OF PRACTICAL SCIENCE, TORONTO.

RESULTS OF ANNUAL EXAMINATIONS,
SESSION 1893-94.

DEPARTMENTS.

CIVIL ENGINEERING (INCLUDING SANITARY ENGINEERING).
MINING ENGINEERING.
MECHANICAL AND ELECTRICAL ENGINEERING.
ARCHITECTURE.
ANALYTICAL AND APPLIED CHEMISTRY.

Candidates in the I, II and III years are arranged according to order of merit in two classes, Honor and Pass.

Candidates in the IV or Post-Graduate year are arranged alphabetically in two classes, Honor and Pass.

DEPARTMENT OF CIVIL ENGINEERING.

Honors.

FIRST YEAR.	SECOND YEAR.	THIRD YEAR.
1 { Laing, W. F. Stewart, J. A.	1 Meadows, W. W.	1 McTaggart, A. L.

Pass.

FIRST YEAR.	SECOND YEAR.	THIRD YEAR.
1 Martin, T. 2 Parker, W. G. 3 Crews, H. R. 4 Carpenter, H. S. 5 Proudfoot, H. W.	1 Guernsey, F. W. 2 Armstrong, J. 3 Dobie, J. S. 4 Robinson, F. J. 5 Boswell, E. J. 6 Sims, H. B.	1 Johnson, S. M. 2 Bergey, A. E. 3 Shields, J. D. 4 Jones, J. E. 5 Smith, Angus. 6 Rolph, H.

Webster, E. B., has passed the first year, but not having fulfilled the conditions respecting practical work at the time of the annual examination his standing in the class is not given.

Barker, H. F., and Chalmers, J., have passed the third year, but not having fulfilled the conditions respecting vacation work at the time of the annual examinations their standing in the class is not given.

DEPARTMENT OF MINING ENGINEERING.

Honors.

FIRST YEAR.	SECOND YEAR.	THIRD YEAR.
1 Bain, J. W.		

Pass.

FIRST YEAR.	SECOND YEAR.	THIRD YEAR.
1 DeCew, J. A. 2 Mollins, C. B. 3 Burwash, L. T.	1 McPherson, C. W.	

DEPARTMENT OF MECHANICAL AND ELECTRICAL ENGINEERING.

Honors.

FIRST YEAR.	SECOND YEAR.	THIRD YEAR.
1 Campbell, G. McK. 2 Haight, H. V. 3 Hartman, G. 4 Shipe, R. R.	1 Blackwood, A. E. 2 Brebner, G. Connor, A. W. McGowan, J. Moore, I. E.	1 Angus, R. W. 2 Minty, W.

Pass.

FIRST YEAR.	SECOND YEAR.	THIRD YEAR.
1 Macbeth, C. 2 Wade, H. R. 3 Fowler, C. P. 4 Blackwood, C. K. 5 Pease, H. C. 6 Shipe, E. F. 7 Sifton, E. I. 8 Gurney, W. C. 9 Lawrie, R. R. 10 MacMillan, W. G. 11 Harman, O. E. 12 MacMurchy, J. A. 13 Wickson, F. R. 14 Watson, J. W.	1 McKinnon, H. L. 2 Brodie, W. M. 3 Brown, L. L. 4 Stocking, F. T. 5 McKay, W. N. 6 Hull, H. S. 7 Tremaine, R. C. C. 8 Patterson, G. E. 9 Gray, R. L. 10 Hudspeth, W. S. 11 Black, R. G.	1 Spotton, A. K. 2 Job, H. E. 3 Nicholson, C. J. 4 Beauregard, A. T. 5 Bucke, W. A. 6 Boyd, D. G. 7 Lash, N. M. 8 Herald, W. J. 9 Johnston, A. C.

Wright, R. T., has passed the third year, but not having fulfilled the conditions respecting vacation work at the time of the annual examinations his standing in the class is not given.

DEPARTMENT OF ARCHITECTURE.

Honors.

FIRST YEAR.	SECOND YEAR.	THIRD YEAR.
1 Forward, E. A.	1 Harkness, A. H.	Ewart, J. A.

Pass.

FIRST YEAR.	SECOND YEAR.	THIRD YEAR.
1 McKay, F. G. 2 McMaster, C. G. 3 Baker, H. C.	1 Campbell, R. J.	

PRIZEMAN—Forward, E. A.

SUPPLEMENTAL EXAMINATIONS PASSED.

FIRST YEAR SUBJECTS.

Euclid.—Sims.
Dynamics.—Campbell, Dobie, Hull and Sims.
Surveying.—Campbell.
Descriptive Geometry.—Gray.
Electricity.—Gray and McKay.

SECOND YEAR SUBJECTS.

Calculus.—Johnston, A. C. and Johnson, S. M.
Mineralogy and Geology.—Smith, A.
Strength of Materials.—Herald, Jones and Johnson, S. M.
Spherical Trigonometry.—Jones.
Applied Chemistry.—Boyd.
Magnetism and Electricity.—Boyd.
Electricity.—Beauregard.

SUPPLEMENTAL EXAMINATIONS TO BE TAKEN.

The following Supplemental Examinations have to be taken :

FIRST YEAR SUBJECTS.

Algebra.—Baker, Proudfoot, Harman, Watson and Wickson.
Euclid.—Mollins.
Statics.—Burwash, McMaster, Gurney, MacMillan, MacMurchy, Lawrie and Webster.
Dynamics.—Carpenter and Crews.
Surveying.—Gurney, MacMurchy and Wade.
Chemistry, Elementary.—Carpenter, Crews, Martin, Parker, Proudfoot, Burwash, DeCew, Baker, Blackwood, Harman, Lawrie, MacMillan, Watson, Wickson and Webster.

SECOND YEAR SUBJECTS.

Drawing.—Gray and Tremaine.
Construction Notes.—Brown.
Thesis.—Guernsey.
Mineralogy, Practical.—Armstrong.
Calculus.—Black.
Strength of Materials.—Boswell, Sims, McPherson, Gray, Hudspeth and McKay.
Rigid Dynamics.—Robinson and McPherson.
Descriptive Geometry.—Boswell, Sims, Black and Hudspeth.

I. YEAR.

DRAWING.	ALGEBRA.	EUCLID.
1 Haight.	1 { Campbell.	1 Campbell.
2 Shipe, R. R.	2 { MacMillan.	2 { Bain.
3 Wade.	3 Macbeth.	2 { Macbeth.
4 Campbell.	4 Bain.	4 Pease.
5 Shipe, E. F.	5 Laing.	5 Forward.
6 McKay.	6 Forward.	6 Lawrie.
7 Forward.	7 { Haight.	7 { Hartman.
8 Blackwood.	7 { Pease.	7 { Laing.
9 Mollins.	9 Hartman.	9 Gurney.
10 Harman.	10 Lawrie.	10 Haight.
11 Wickson.	11 DeCew.	11 Martin.
12 Hartman.	12 Shipe, R. R.	12 McMaster.
13 Crews.	13 McKay.	13 { DeCew.
14 Sifton.	14 Parker.	13 { MacMillan.
15 Baker.	15 Gurney.	15 Fowler.
16 Laing.	16 { Martin.	16 Blackwood.
17 MacMillan.	16 { McMaster.	17 { Shipe, R. R.
18 McMaster.	16 { Wade.	17 { Sifton.
19 { DeCew.	19 Fowler.	19 Shipe, E. F.
19 { Stewart.	20 { Burwash.	20 Baker.
21 { Fowler.	20 { MacMurchy.	21 Carpenter.
21 { Watson.	22 Shipe, E. F.	22 { Harman.
23 Bain.	22 { Blackwood.	22 { Wade.
24 MacMurchy.	23 { Mollins.	24 Crews.
25 { Martin.	23 { Sifton.	25 McKay.
25 { Macbeth.	26 Crews.	26 { MacMurchy.
27 { Proudfoot.	27 Carpenter.	26 { Parker.
27 { Pease.		26 { Proudfoot.
29 Gurney.		29 Burwash.
30 Carpenter.		30 Wickson.
31 Parker.		31 Watson.
32 Burwash.		
33 Lawrie.		

I. YEAR.

TRIGONOMETRY PLANE.	ANALYTICAL GEOMETRY.	STATICS.
1 Campbell.	1 Campbell.	1 Stewart.
2 Laing.	2 Laing.	2 Campbell.
3 { Haight.	3 Haight.	3 Forward.
3 { Pease.	4 { Bain.	4 Haight.
5 Hartman.	4 { McMaster.	5 Shipe, R. R.
6 Macbeth.	6 Forward.	6 Hartman.
7 { Bain.	7 Wade.	7 Laing.
7 { Lawrie.	8 Macbeth.	8 Bain.
7 { Shipe, R. R.	9 DeCew.	9 Blackwood.
10 McKay.	10 Shipe, R. R.	10 Parker.
11 McMaster.	11 { Gurney.	11 DeCew.
12 { Forward.	11 { McKay.	12 { Fowler.
12 { MacMillan.	13 { Blackwood.	12 { Sifton.
14 Wade.	13 { Hartman.	14 { Crews.
15 MacMurchy.	15 Lawrie.	14 { Wade.
16 { Blackwood.	16 { Fowler.	16 Macbeth.
16 { Shipe, E. F.	16 { Mollins.	17 Shipe, E. F.
18 { Crews.	18 { Carpenter.	18 { Mollins.
18 { Martin.	18 { Martin.	18 { Pease.
18 { Mollins.	20 Harman.	20 Harman.
18 { Parker.	20 { Burwash.	21 { Martin.
22 Baker.	21 { Crews.	21 { Wickson.
23 Sifton.	21 { Parker.	23 Proudfoot.
24 { DeCew.	21 { Shipe, E. F.	24 Watson.
24 { Fowler.	25 Watson.	25 McKay.
26 Wickson.	26 { MacMurchy.	26 Carpenter.
27 Gurney.	26 { Pease.	27 Baker.
28 Harman.	28 MacMillan.	
29 Carpenter.	29 Sifton.	
30 Proudfoot.	30 Proudfoot.	
31 Burwash.	31 Baker.	
32 Watson.	32 Wickson.	

I. YEAR.

DYNAMICS.	DESCRIPTIVE GEOMETRY.	SURVEYING.
1 Stewart.	1 Stewart.	1 Stewart.
2 Haight.	2 Forward.	2 Haight.
3 Campbell.	3 McMaster.	3 Hartman.
4 Sifton.	4 Campbell.	4 Campbell.
5 Hartman.	5 Haight.	5 Shipe, E. F.
6 DeCew.	6 { Bain.	6 Macbeth.
7 Macbeth.	6 { Parker.	7 Laing.
8 Shipe, R. R.	8 Laing.	8 Baker.
8 { Shipe, E. F.	9 Pease.	9 Lawrie.
9 { Wade.	10 { Blackwood.	10 Bain.
9 { Wickson.	10 { McKay.	11 Forward.
12 { Bain.	12 Proudfoot.	12 MacMillan.
12 { Forward.	13 Hartman.	13 Burwash.
12 { Fowler.	14 { DeCew.	14 { Crews.
12 { Martin.	14 { Fowler.	14 { Fowler.
16 { MacMurchy.	14 { Gurney.	16 { DeCew.
16 { Parker.	14 { Mollins.	16 { Harman.
18 { Burwash.	18 { Harman.	18 { Blackwood.
18 { Gurney.	18 { Martin.	18 { Mollins.
20 Blackwood.	18 { Shipe, E. F.	20 { McKay.
21 Pease.	18 { Watson.	20 { Parker.
22 { Laing.	22 { Shipe, R. R.	20 { Sifton.
22 { McKay.	22 { Wickson.	23 Shipe, R. R.
24 { Harman.	24 { MacMillan.	24 McMaster.
24 { McMaster.	24 { MacMurchy.	25 Martin.
24 { Mollins.	26 { Burwash.	26 { Pease.
24 { Watson.	26 { Sifton.	26 { Watson.
28 Proudfoot.	28 Macbeth.	28 Carpenter.
29 Baker.	29 Carpenter.	29 Proudfoot.
30 { Lawrie.	30 Lawrie.	30 Wickson.
30 { MacMillan.	31 Baker.	
	32 Crews.	
	33 Wade.	

I. YEAR.

CHEMISTRY.	CHEMISTRY, PRACTICAL.	MAGNETISM AND ELECTRICITY.
1 { Campbell. Haight. 3 Stewart. 4 Hartman. 5 Forward. 6 Laing. 7 MacMurchy. 8 Shipe, R. R. 9 Pease. 10 Macbeth. 11 Gurney. 12 Sifton. 13 Shipe, E. F. 14 Bain. 15 Wade. 16 { Fowler. Mollins. McMaster. McKay.	1 McKay. 2 { Mollins. Stewart. { Haight. 4 { Laing. Shipe, R. R. 7 Campbell. 8 { Forward. MacMillan. 10 Martin. { Blackwood. 11 { Crews. Fowler. Parker. 15 Carpenter. 16 Macbeth. 17 { Bain. McMaster. { Hartman. 19 { Lawrie. Watson. 22 { DeCew. Shipe, E. F. 24 Wade. 25 MacMurchy. 26 { Gurney. Wickson. 28 { Pease. Proudfoot. 30 Harman. 31 Sifton. 32 Burwash. 33 Baker.	1 Haight. 2 Hartman. 3 { Campbell. Fowler. 5 Shipe, R. R. 6 Sifton. 7 Shipe, E. F. 8 Macbeth. 9 { Blackwood. Wickson. 11 Pease. 12 { Wade. Watson. 14 Gurney. 15 Harman. 16 Lawrie. 17 MacMurchy. 18 MacMillan.

I. YEAR.

ELECTRICITY.	PHYSICS, PRACTICAL.	CONSTRUCTION NOTES.
1 Haight.	1 Blackwood.	1 { Campbell.
2 Campbell.	2 Haight.	1 { Harman.
3 Wade.	3 Hartman.	3 Shipe, R. R.
4 Shipe, R. R.	4 Gurney.	4 Sifton.
5 Hartman.	5 { Wade.	5 Fowler.
6 { Fowler.	5 { Lawrie.	5 { Shipe, E. F.
6 { Gurney.	7 Campbell.	6 { Wickson.
8 Sifton.	8 Wickson.	6 { MacMillan.
9 { Pease.	9 Fowler.	6 { Hartman.
9 { Wickson.	10 { Harman.	10 { Haight.
11 MacMurchy.	10 { Watson.	10 { Wade.
12 Harman.	10 { Shipe, E. F.	10 { Lawrie.
13 Blackwood.	13 Shipe, R. R.	13 Blackwood.
14 Macbeth.	14 { MacMurchy.	14 Pease.
15 Lawrie.	14 { Sifton.	15 Gurney.
16 MacMillan.	16 MacMillan.	16 { Macbeth.
17 Shipe, E. F.	17 Macbeth.	16 { MacMurchy.
18 Watson.	18 Pease.	18 Watson.

FIELD NOTES.	ACOUSTICS.	HISTORY OF ARCHITECTURE.
1 { Forward.	1 Forward.	1 Forward.
1 { McKay.	2 McMaster.	2 McMaster.
3 Bain.	3 Baker.	3 Baker.
4 { McMaster.	4 McKay.	4 McKay.
4 { Stewart.		
6 Baker.		
7 { DeCew.		
7 { Mollins.		
9 Martin.		
10 Crews.		
11 Parker.		
12 Laing.		
13 Proudfoot.		
14 Carpenter.		
15 Burwash.		

II. YEAR.

DRAWING.	THESIS, CIVIL ENGINEERING.	THESIS, MECHANICAL AND ELECTRICAL ENGINEERING.
1 Campbell.	1 Robinson.	1 Blackwood.
2 Guernsey.	2 Meadows.	2 { Prown.
3 Blackwood.	3 Boswell.	2 { Brodie.
4 Harkness.	4 Sims.	5 { Hudspeth.
5 Brebner.	5 Dobie.	5 { Black.
6 Dobie.	6 Armstrong.	5 { Brebner.
7 Robinson.		8 { McKay.
8 Meadows.		8 Patterson.
9 Brown.		9 { McKinnon.
10 Boswell.		9 { Stocking.
11 { McGowan.		9 { Gray.
11 { Moore.		13 { Hull.
13 McPherson.		13 Tremaine.
14 { Armstrong.		
14 { Connor.		
16 Black.		
17 Patterson.		
18 Brodie.		
19 Sims.		
20 { McKinnon.		
20 { Stocking.		
22 McKay.		
23 Hudspeth.		
24 Hull.		

II YEAR.

CONSTRUCTION NOTES, CIVIL ENGINEERING AND ARCHITECTURE.	CONSTRUCTION NOTES, MECHANICAL AND ELECTRI- CAL ENGINEERING.	PHYSICS, PRACTICAL.
1 Harkness. 2 Campbell. 3 Robinson. 4 Boswell. 5 Dobie. 6 Sims. 7 Armstrong. 8 { Guernsey. { Meadows.	1 Blackwood. 2 Hudspeth. 3 Brebner. 4 { Stocking. { McKay. 6 { Gray. { Patterson. { Hull. { Tremaine. 8 { McKinnon. { Black. { Brodie.	1 Guernsey. 2 Campbell. 3 Armstrong. 4 Harkness. 5 Meadows. 6 McPherson. 7 Boswell. 8 Dobie. 9 Robinson. 10 Sims.

II. YEAR.

PHYSICS, PRACTICAL.	CHEMISTRY, PRACTICAL.	DESCRIPTIVE GEOMETRY.
1 Stocking.	1 Blackwood.	1 Harkness.
2 Blackwood.	2 { Black.	2 McGowan.
3 Brebner.	2 { Brodie.	3 Tremaine.
4 Brodie.	2 { Harkness.	4 McKay.
5 Brown.	5 { Brown.	5 { Conrór.
6 Tremaine.	5 { Guernsey.	5 { Stocking.
7 { Hudspeth.	7 { Boswell.	7 Patterson.
7 { Hull.	7 { Meadows.	8 McPherson.
9 Black.	9 McKinnon.	9 { Armstrong.
10 { Gray.	10 Patterson.	9 { Gray.
10 { McKinnon.	11 Brebner.	11 { Guernsey.
12 Patterson.	12 Hudspeth.	11 { Hull.
13 McGowan.	13 { Moore.	13 { Blackwood.
14 McKay.	13 { Stocking.	13 { Brown.
	15 Campbell.	13 { Brodie.
	15 { Hull.	13 { Brebner.
	16 { McKay.	17 { Dobie.
	16 { Sims.	17 { Moore.
	16 { Tremaine.	19 McKinnon.
	20 Dobie.	20 { Meadows.
	21 { Armstrong.	20 { Robinson.
	21 { Robinson.	22 Campbell.
	23 McGowan.	
	24 Gray.	

II. YEAR.

CALCULUS.	STRENGTH OF MATERIALS.	RIGID DYNAMICS.
1 Brebner.	1 Connor.	1 McGowan.
2 Meadows.	2 McGowan.	2 Brodie.
3 Harkness.	3 Meadows.	3 { McKinnon.
4 Guernsey.	4 { Blackwood.	3 { Moore.
5 McKinnon.	4 { Brebner.	5 Connor.
6 McKay.	6 Hull.	6 { Blackwood.
7 Brodie.	7 Moore.	6 { Stocking.
8 Armstrong.	8 Harkness.	8 Brebner.
9 { Brown.	9 McKinnon.	9 Armstrong.
9 { Hull.	10 { Brodie.	10 { Brown.
9 { Stocking.	10 { Tremaine.	10 { Sims.
12 Boswell.	12 Brown.	12 { Dobie.
13 Dobie.	13 Armstrong.	12 { Guernsey.
14 Gray.	14 Dobie.	14 Boswell.
15 Hudspeth.	15 { Guernsey.	15 Meadows.
16 Blackwood.	15 { Patterson.	15 { Gray.
17 Campøell.	17 Robinson.	16 { Hudspeth.
18 Tremaine.	18 Stocking.	16 { Patterson.
19 Sims.	19 Black.	19 McKay.
20 Patterson.	20 Campbell.	20 { Hull.
21 McPherson.		20 { Tremaine.
22 Robinson.		22 Black.

II. YEAR.

APPLIED CHEMISTRY.	SPHERICAL TRIGONOMETRY.	OPTICS.
1 Connor.	1 Meadows.	1 Brown.
2 Meadows.	2 { Brodie.	2 Blackwood.
3 Moore.	2 { McKay.	3 Meadows.
4 { Armstrong.	4 Hull.	4 { Harkness.
4 { McGowan.	5 McKinnon.	4 { McKay.
6 { Blackwood.	6 Stocking.	6 Brodie.
6 { Brebner.	7 { Armstrong.	7 Guernsey.
6 { Dobie.	7 { Brebner.	8 Hull.
6 { Harkness.	9 { Guernsey.	9 { Stocking.
6 { Patterson.	9 { Patterson.	9 { Robinson.
11 { Guernsey.	11 Boswell.	11 Gray.
11 { McKinnon.	12 Blackwood.	12 Dobie.
13 Brodie.	13 { McPherson.	13 McKinnon.
14 { Hull.	13 { Tremaine.	14 Tremaine.
14 { Stocking.	15 { Gray.	15 { Brebner.
16 { Black.	15 { Robinson.	15 { Paterson.
16 { Boswell.	17 Brown.	15 { Boswell.
16 { Gray.	18 Dobie.	18 Armstrong.
16 { Robinson.	19 Black.	19 { Sims.
16 { Tremaine.	20 { Hudspeth.	19 { McPherson.
21 { McKay.	20 { Sims.	21 { Black.
21 { Sims.		21 { Hudspeth.
23 { Brown.		23 Campbell.
23 { Campbell.		
23 { Hudspeth.		
23 { McPherson.		

II. YEAR.

HYDROSTATICS.	SURVEYING.	ASTRONOMY.
1 McKay. 2 Meadows. 3 Stocking. 4 McKinnon. 5 Guernsey. 6 Harkness. 7 Armstrong. 8 Brodie. 9 Tremaine. 10 Brebner. 11 Hull. 12 Brown. 13 Boswell. 14 Dobie. 15 Hudspeth. 16 Gray. 17 Campbell. 18 McPherson. 19 Patterson. 20 Robinson. 21 Blackwood. 22 Sims. 23 Black.	1 Guernsey. 2 { McPherson. Robinson. 4 Harkness. 5 Dobie. 6 Armstrong. 7 Meadows. 8 { Boswell. Sims. 10 Campbell	1 Guernsey. 2 Meadows. 3 Armstrong. 4 Robinson. 5 Boswell. 6 { Dobie. McPherson 8 Sims.

FIELD NOTES.	MINERALOGY AND GEOLOGY.	MINERALOGY, PRACTICAL
1 Guernsey. 2 Boswell. 3 Harkness. 4 Dobie. 5 Armstrong. 6 McPherson. 7 { Campbell. Sims. 9 Robinson. 10 Meadows.	1 Guernsey. 2 Armstrong. 3 Robinson. 4 Meadows. 5 Harkness. 6 Campbell. 7 Dobie. 8 Sims. 9 { Boswell. McPherson.	1 Robinson. 2 Meadows. 3 { Dobie. Sims. 5 McPherson. 6 Guernsey. 7 Boswell.

II. YEAR.

METALLURGY.	MINING.	THEORY OF MECHANISM
McPherson.	McPherson.	1 Moore. 2 { McGowan. McKinnon. 4 Connor. 5 { Brown. Stocking. 7 Brodie. 8 Tremaine. 9 Blackwood. 10 Gray. 11 Brebner. 12 McKay. 13 Hull. 14 Patterson. 15 Black. 16 Hudspeth.

ELECTRICITY.	ELECTRICITY PRACTICAL.	ORDERS OF ARCHITECTURE.
1 Moore. 2 Connor. 3 Brown. 4 Hull. 5 McKinnon. 6 Tremaine. 7 Blackwood. 8 Gray. 9 { McGowan. Brodie. 11 { Black. Stocking. 13 Brebner. 14 McKay. 15 { Hudspeth. Patterson.	1 { Black. * Blackwood. Brebner. Brown. 4 { Connor. Moore. Stocking. 8 { McGowan. McKinnon. 10 Tremaine. Brodie. Gray. 11 { Hudspeth. Hull. McKay. Patterson.	1 Campbell. 2 Harkness.

II. YEAR.

HISTORY OF ARCHITECTURE.	THESIS, ARCHITECTURE.	HISTORY OF ORNAMENT.
1 Campbell. 2 Harkness.	1 Campbell. 2 Harkness.	1 Campbell. 2 Harkness.

I YEAR ELECTRICITY.	I YEAR STATICS.	I YEAR DESCRIPTIVE GEOMETRY.
1 { McGowan. 2 { Moore. 3 Connor.	1 Moore. 2 { Connor. McGowan.	1 Connor. 2 McGowan. 3 Moore.

I YEAR SURVEYING.	I YEAR DYNAMICS.	
1 Moore. 2 McGowan. 3 Connor.	1 Connor. 2 McGowan. 3 Moore.	

III. YEAR.

DRAWING.	DESCRIPTIVE GEOMETRY.	HYDRAULICS.
1 Ewart.	1 Spotton.	1 Bergey.
2 McTaggart.	2 Angus.	2 McTaggart.
3 Johnson, S. M.	3 McTaggart.	3 { Angus.
4 Minty.	4 Bergey.	3 { Bucke.
5 Jones.	5 Ewart.	3 { Minty.
6 Job.	6 Beauregard.	6 Smith.
7 Angus.	7 Job.	7 Job.
8 Rolph.	8 Jones.	8 { Nicholson.
9 { Nicholson.	9 Johnson, S. M.	8 { Johnston, A. C.
11 Shields.	10 Lash.	10 Rolph.
12 { Smith.	11 Johnston, A. C.	11 Ewart.
12 { Bucke.	12 Minty.	12 { Boyd.
14 Spotton.	13 { Bucke.	12 { Spotton.
15 { Bergey.	13 { Herald.	12 { Lash.
15 { Herald.	13 { Shields.	15 Johnson, S. M.
15 { Lash.	13 { Smith.	16 { Herald.
18 Beauregard.	17 Boyd.	16 { Jones.
19 Boyd.	18 Rolph.	18 { Beauregard.
	19 Nicholson.	18 { Shields.

THERMODYNAMICS.	METALLURGY.	COMPOUND STRESS.
1 Spotton.	1 McTaggart.	1 Job.
2 McTaggart.	2 Nicholson.	2 Beauregard.
3 Bucke.	3 Beauregard.	3 Shields.
4 { Angus.	4 Shields.	4 McTaggart.
4 { Minty.	5 Job.	5 Minty.
6 Job.	6 Minty.	6 Herald.
7 Bergey.	7 Ewart.	7 { Bergey.
8 { Nicholson.	8 Smith.	7 { Bucke.
8 { Shields.	9 Bergey.	7 { Spotton.
10 Beauregard.	10 { Johnston, A. C.	10 Nicholson.
11 Johnson, S. M.	10 { Spotton.	11 Angus.
12 Johnston, A. C.	12 Rolph.	12 Ewart.
13 Lash.	13 Jones.	13 Boyd.
14 { Boyd.	14 Angus.	14 Rolph.
14 { Smith.	15 Johnson, S. M.	15 Lash.
16 { Herald.	16 Herald.	16 Johnston, A. C.
16 { Rolph.	17 Bucke.	17 { Johnson, S. M.
18 Jones.	18 Lash.	17 { Smith.
	19 Boyd.	19 Jones.

III. YEAR.

APPLIED CHEMISTRY.	METHOD OF LEAST SQUARES.	MINERALOGY AND GEOLOGY.
1 Minty. 2 Ewart. 3 { Job. Spotton. 5 Angus. 6 { Beauregard. Smith. { Bucke. Johnston, A. C. 8 { McTaggart. Nicholson. Shields. 13 Bergey. 14 { Johnson, S. M. Jones. 16 Boyd. 17 { Herald. Lash. 19 Rolph.	1 Bergey. 2 Minty. 3 { Bucke. Job. McTaggart. 6 Spctton. 7 Angus. 8 Beauregard. 9 Shields. 10 { Boyd. Johnston, A. C. 12 Johnson, S. M. 13 Herald. 14 Jones. 15 Lash. 16 Smith. 17 Rolph. 18 Nicholson.	1 Johnson, S. M. 2 Bergey. 3 Shields. 4 Rolph. 5 Jones. 6 McTaggart. 7 Ewart. 8 Smith.

CONSTRUCTION NOTES. CIVIL ENGINEERING AND ARCHITECTURE.	SURVEYING AND LEVELLING.	THESIS, CIVIL ENGINEERING AND ARCHITECTURE.
1 Jones. 2 Ewart. 3 Smith. 4 Rolph. 5 Shields. 6 Johnson, S. M. 7 McTaggart. 8 Bergey.	1 Bergey. 2 McTaggart. 3 Jones. 4 Johnson, S. M. 5 Shields. 6 Rolph. 7 Smith.	1 Johnson, S. M. 2 { McTaggart. Ewart. 4 { Jones. Shields. 6 Rolph. 7 Smith. 8 Bergey.

III. YEAR.

FIELD NOTES.	PHYSICS, PRACTICAL.	MINERALOGY, PRACTICAL.
1 { Jones. 2 Johnson, S. M. 3 McTaggart. 4 Rolph. 5 Smith. 6 { Bergey. Shields.	1 { Johnson, S. M. 2 Rolph. 3 McTaggart. 4 Jones. 5 { Ewart. Shields. 6 Smith. 7 Bergey.	1 Jones. 2 Johnson, S. M. 3 Shields. 4 Smith. 5 Rolph. 6 { McTaggart. Bergey.

PRACTICAL ASTRONOMY AND GEODESY.	THEORY OF CONSTRUCTION.	MACHINE DESIGN.
1 Bergey. 2 Johnson, S. M. 3 { Shields. McTaggart. 4 Smith. 5 Jones. 6 Rolph.	1 Ewart. 2 Shields. 3 Johnson, S. M. 4 Smith. 5 Rolph. 6 Bergey. 7 McTaggart. 8 Jones.	1 Angus. 2 Job. 3 Nicholson. 4 Bucke. 5 Boyd. 6 Beauregard. 7 { Minty. Spotton. 8 Lash. 9 Herald. 10 Johnston, A. C.

MECHANICS OF MACHINERY.	ELECTRICITY.	ELECTRICITY, PRACTICAL.
1 Angus. 2 Spotton. 3 Lash. 4 Boyd. 5 Herald. 6 Minty. 7 Nicholson. 8 Job. 9 Bucke. 10 Beauregard. 11 Johnston, A. C.	1 Angus. 2 Boyd. 3 Nicholson. 4 Job. 5 Bucke. 6 Lash. 7 { Minty. Spotton. 8 Beauregard. 9 Herald. 10 Johnston, A. C.	1 Minty. 2 Nicholson. 3 Angus. 4 Spotton. 5 Job. 6 { Herald. Johnston, A. C. 7 Boyd. 8 Beauregard. 9 Lash. 10 Bucke.

III. YEAR.

PHYSICS, PRACTICAL.	THESIS, MECHANICAL AND ELECTRICAL ENGINEERING.	CONSTRUCTION NOTES. MECHANICAL AND ELECTRICAL ENGINEERING.
1 Angus. 2 Beauregard. 3 Boyd. 4 Bucke. 5 Herald. 6 Job. 7 Johnston, A. C. 8 Lash. 9 Minty. 10 Nicholson. 11 Spotton.	1 { Angus. Minty. 3 Spotton. 4 Lash. 5 Boyd. 6 Beauregard. 7 Herald. 8 Nicholson. 9 Bucke. 10 Job. 11 Johnston, A. C.	1 Minty. 2 Herald. 3 Angus. 4 Beauregard. 5 Nicholson. 6 Lash. 7 Johnston, A. C. 8 { Bucke. Sprotton. 10 Job. 11 Boyd.

HISTORY OF ARCHITECTURE.	HISTORY OF ORNAMENT.	SANITARY SCIENCE, PLUMBING, ETC.
1 Ewart.	1 Ewart.	1 Ewart.

FOURTH OR POST-GRADUATE YEAR.

UNIVERSITY OF TORONTO.

Degree of Bachelor of Applied Science, (B.A. Sc.)

SCHOOL OF PRACTICAL SCIENCE CERTIFICATE.	THESIS.	THERMODYNAMICS.
<i>Honors.</i> Ballantyne, H. F. Chewett, J. H. Goodwin, J. B. James, D. D. Keele, J. McPherson, A. J. Merrill, E. B. Mitchell, C. H. Speller, F. N.	<i>Honors.</i> Ballantyne, H. F. Chewett, J. H. Goodwin, J. B. James, D. D. Keele, J. McPherson, A. J. Merrill, E. B. Mitchell, C. H. Speller, F. N.	<i>Honors.</i> Goodwin, J. B. <i>Pass.</i> James, D. D. McAllister, A. L. McPherson, A. J. Merrill, E. B. Mitchell, C. H. Squire, R. H.
<i>Pass.</i> Laidlaw, J. T. McAllister, A. L. Squire, R. H.	<i>Pass.</i> Laidlaw, J. T. McAllister, A. L. Squire, R. H.	

HYDRAULICS.	STRENGTH OF MATERIALS.	ELECTRICITY.
<i>Honors.</i> Goodwin, J. B. McPherson, A. J. <i>Pass.</i> James, D. D. McAllister, A. L. Mitchell, C. H. Squire, R. H.	<i>Honors.</i> Ballantyne, H. F. <i>Pass.</i> Keele, J.	<i>Honors.</i> Merrill, E. B.

MINERALOGY AND GEOLOGY.	METALLURGY AND ASSAYING.	ARCHITECTURE.
<i>Honors.</i> Chewett, J. H. Speller, F. N. <i>Pass.</i> Laidlaw, J. T.	<i>Pass.</i> Chewett, J. H. Laidlaw, J. T. Speller, F. N.	<i>Honor</i> Keele, J. <i>Pass.</i> Ballantyne, H. F.

DEGREE OF BACHELOR OF APPLIED SCIENCE, WITH
HONORS

Ballantyne, H. F.
Chewett, J. H.
Goodwin, J. B.
Keele, J.
McPherson, A. J.
Merrill, F. B.
Speller, F. N.

UNIVERSITY OF TORONTO.

DEGREE OF CIVIL ENGINEER.

Tyrrel, H. G.

